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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/556,913

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Xiaoqin Duan

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04/02/2010

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EXAMINER

CONTEE, JOY KIMBERLY

ART UNIT

PAPER NUMBER

2617

MAIL DATE

DELIVERY MODE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/556,913	Applicant(s) DUAN ET AL.	
	Examiner JOY K. CONTEE	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 July 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 3-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 3,4 and 10-12 is/are rejected.
- 7) ☒ Claim(s) 5-9 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 12,3,4 and 10-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Evensen et al. (Evensen), US 2003/0153332, previously used, in view of Salmenkaita et al. (Salmenkaita), US 7,072,886, recently discovered.

Regarding claim 12, Evensen discloses a handling method the method comprising the steps of: A. For a location request against that UE, the LCS system performing a privacy check, if the said location request passes the privacy check (reads on codeword matching), going to step B, otherwise going to step C; B. The LCS system continuing to handle the location request until the end of the handling process of the said location request (reads on accepting location request); C. The LCS system initializing a cancellation procedure to the said location request (reads on not accepting location request) (see page 2 [0016-0017]).

Evensen fails to disclose after updating of privacy profile of a target UE, wherein, when the location service (LCS) system is aware that the privacy profile of the target UE was updated

In a similar field of endeavor, Salmenkaita discloses after updating of privacy profile of a target UE, wherein, when the location service (LCS) system(i.e., via network

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service) is aware that the privacy profile of the target UE was updated (col. 35, lines 24-60).

At the time of the invention it would be obvious to one of ordinary skill in the art to modify Evensen to include privacy profile update of the target UE sent to the network server for updated privacy for the purpose of protecting end users privacy based on current context-activity (see abstract).

Regarding claim 3, Evensen and Salmenkaita discloses a method according to claim 12, wherein, when there are more than one location request for the said target UE in activated state, step A is repeated until privacy check for all the location requests for the target UE in activated state have been completed (see Fig. 3A).

Regarding claim 4, Evensen and Salmenkaita discloses a method according to claim 12, wherein the said performing a privacy check for a location request in step A comprising: for the location request, the LCS system performing a privacy check based on the updated privacy profile of the target UE, comparing the saved information of the location request with the current privacy profile of the target UE, deciding whether the saved information of the location request satisfies the condition of the current target UE's privacy profile to allow the location information of the target UE to be provided to the LCS client, if the condition is satisfied, the location request will pass the privacy check; otherwise, the location request will not pass the privacy check (see page 3, [0024]).

Regarding claims 10 and 11, Evensen and Salmenkaita discloses a method according to claims 1 and 6, respectively, wherein, after the Step C, the method further

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comprising: the LCS system sending to the LCS client corresponding to the said location request an inherent notification of canceling the location request (reads on not accepting location request)(see page 2 [0016]).

Allowable Subject Matter

3. Claims 5-9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: the combination of prior art does not suggest or disclose where the procedure of the location service system is aware that the privacy profile of the target UE was updated comprising: A0. the Privacy Profile Register (PPR) sending to the GMLC of the LCS system an LCS Privacy Profile Update Notification.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOY K. CONTEE whose telephone number is (571)272-7906. The examiner can normally be reached on Monday through Friday, 5:30 a.m. to 2:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571.272.7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JC

/Joy K Contee/
Patent Examiner (PSA), Art Unit 2617